

TITLE

## GENES FOR DESATURASES TO ALTER LIPID PROFILES IN CORN

ABSTRACT

5 The preparation and use of nucleic acid fragments comprising all or substantially all  
of a corn oleosin promoter, a stearoyl-ACP desaturase and a delta-12 desaturase which can  
be used individually or in combination to modify the lipid profile of corn are described.  
Chimeric genes incorporating such nucleic acid fragments and suitable regulatory sequences  
can be used to create transgenic corn plants having altered lipid profiles.

10

15

20

25

30

35

LMC/bjm